



27805

PATENT TRADEMARK OFFICE

Express Mail No. EL 628374389 US

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of:

Applicant : Nicholas Paul Cowley
Serial No. :
Filed : Herewith
Title : MODEM TUNER
Docket : 534334-017
Examiner :
Art Unit :

Assistant Commissioner of Patents
Washington, D.C. 20231

PRELIMINARY AMENDMENT

Before examination please amend this application as follows:

IN THE SPECIFICATION:

On page 1, line 2, delete the heading "Background of the Invention".

On page 1, line, delete the heading "Description of the Prior Art" and replace it with the following new heading:

- - Background - - .

On page 7, line 29, after the end of the text , add - - What is claimed is: - - .

IN THE CLAIMS:

Add the following new independent claim:

11. (New) A zero intermediate frequency type modem tuner for receiving signals modulated with digital data comprising:

a first input for signals in a first frequency range from about 50MHz to 900 MHz;

a second input for signals in a second frequency range from about 900 MHz to 2.2 GHz;

a mixer having a signal input and in-phase and quadrature outputs;

a multiplexer connected to said first and said second inputs and selectively connecting said signal input of the mixer to any one of said first and second inputs;

a first buffer connected between said first input and said multiplexer;

a second buffer connected between said second input and said multiplexer;

a local oscillator for supplying to said mixer a local oscillator signal in any selected one of a plurality of local oscillator frequency ranges via a bandswitch; and

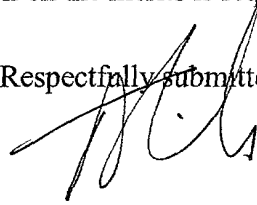
a channel selective filter located downstream of said mixer, the channel selective filter being a variable bandwidth, low pass filter.

FOR OFFICIAL USE ONLY

Remarks

The application has been amended to add a new independent claim, correct headings, and add an introduction to the claims. The Commissioner is hereby authorized to charge any additional fees which may be required by this paper, or to credit any overpayment to Deposit Account 20-0809. Prompt and favorable examination on the merits is requested.

Respectfully submitted,



Theodore D. Lienesch

THOMPSON HINE LLP
2000 Courthouse Plaza, N.E.
10 West Second Street
Dayton, Ohio 45402-1758
(937) 443-6958